Task-b:- Procedures, Functions and Loops in PL1 sel (Based on Online Food ordering system)

case study: Online Food ordering system.

Objective: The objective of this task is to dosign implement, and execute PLISAL procedures, function, and laps to handle real-world business scenarious related to an online food ordering system. This will helps in currenting transactions, improving database efficiency, and entering business rules in a stracted manner.

Step 1: Encore the Necessary Tables Existing

Before running the procedures and forction, create

the required tables in your oracle Database.

Drop TABLE order Table PURGE;

DROP TABLE Delivey PURCIE;

DROP TABLE Menu-Item PURGE:

CREATE TAIRE Order Table ( 10 3011 - 10 1911 . JATES

Order\_ID NUMBER PRIMARY KEY)
CUST-ID NUMBER,

Order-Date DATE, Order-Total NUMBER (10,2), payment-states VARCHAR (20):

);
CREATE TABLE DERIVENY (
Order-IO NUMBER PRIMARY KEN),
Deriveny - Status VARCHAR (20)
FOREIGN KEY (Order-ID)
REFERENCES Order Table (order-IO)

);

Boreups & Essa Queny 2: Fonction to Calarate Total Rovenie Step1: Creale a Fonction. CREATE OR REPLACE FONCTION Get - Total -Revenue RETURN NUMBER AS V- Total-Revenue NOMBER; obvoid of egal byo which is an orline by ordering orders. The BEGINIONANE ENERGOSMONT parlomator No SELECT SUM (order-Total) INTO V-Total-Revenue FROM order Table; RETURNIVI Total - Revenue: ENDED (mistand bus southonous of friends and rack lotabose. the vegined toller in their Expected Output AULT ender Table POPGE. Function created. Pour polle go Steps: Execution. 3000 GET\_ TOTAL-REVENUE () 801.25 Color stable NorthBER (1919). PHYRICIA - States VARCHAR(20): Chydry TO NUMBER PRIMARY KEDY (05) ANHOMEN reports ... MARNIEU fore votion her not most

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CREATE TABLE Menu-Item ( 100)
    THEM-ID NUMBER PRIMARY KEY, Smaled 1
    Item - Name VARCHARY (100)
    Price Number (10,2)

Price Number (10,2)

Tollar 21 No 102,000
INSERT INTO Order Table Valus (1/181, To-DATE
       (12024-02-1011, 14444-HH-DD), 250,50)
        'Pending ').
                                  (xu) M 700
INSERT ITO Order Table VALUES (2, 102, TO DATE
      (12024-02-021, 17444-HH-DD), 400-75, Pasd)
INSERT INTO OxferTable VALUES (3,103, TO=DATE)
     (2024-05-02, 1211 - WM - DD), 120-80, Longing)
INSERT INTO Delivery VALUES (1, Pending!):
INSERT INTO Delivery VALUES (2, Delivered)
INSERT INTO Relivery VALUES (37 Pending');
                                              ans
                                  type Labour
                                1. 1. shedge (2) cxx :
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Oneny 3. Loop: Mark All undelivered Orders
 as beloyed it was more assumed as most
  U-Order_ID Order able. Order - ID & TYPE!
DECLARE (ON JOINTY
   CORSOR Cor 1s SELECT order-TO FROM
     Délivery WHERE Delivery states = 'fonding'.
BEGINDES ( "00 - MM - 4444", 101-50 - 1500"
    ODEN COR;
 FETCH CUY INTO V-OYEY-ID)
EXIT WHEN CUY % NOT FOUND
   UPDATE Pelivery
        SET Delivery - Status = Delayse
       · WHER Order-ID: V-order = ID;
    DBMS - DUTPUT . PUT - LINE (10x dev 111 u-oxder-101)
      marked of Delayed.
   END Loop !
    CLOSE EUX;
    COH MIT:
END .
Expected Output;
1 mas (s) uplated.
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Query 5: Procedure to Apply Discount on Many Flems Step 1: Creak a produre: (oraboro) CREATE OR REPLACE PROCEDURE Apply - DISTOUT discount-percent IN NOMBERM (12 +20) 11/19 25 POR order 180 (SELECT order ID, Order MEDER UPDATE Menu\_Item .. tronger, lotor - robers SET Rice = price - (Price \* discount-prescont /100); COMMIT; DBM -00 TRUTTIPITE ("DISCONT APPLY "III discount percent (1 1861) END; Expece L. Output: Procedure created: Stepz: Executebri GET - Dieter - Details. 19-BEGIM Apply - Discount (10); END; Expecoded Osfut: et et 10.00.000: et ea. 1.01 valo Discourt Applied: 10% Statement processed Sylvest Moudent.

- 21 State To partners began the retribute sporter to not ment have SPAN LANGER PRIMARY MIN. MONE. WALLINE (50)E LATERION OF Depotent VARCHERS (30) Alter JABAMON 2 NEOM CREATE OR REMACE TRIGGET ONCE A eduched Andres 2 No TRANS EX No. PERFORMANCE (5) RESULT AND ANALYSIS (3) VIVA VOCE (3) RECORD (4) **TOTAL (15)** SIGN WITH DATE Hence, Implementing Procedures, Functions and loops in Plasar has been done successfully. Result: ACTUATED THEFTONE DEFAULT